

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
18 March 2004 (18.03.2004)

PCT

(10) International Publication Number  
**WO 2004/022196 A1**

- (51) International Patent Classification<sup>7</sup>: **B01D 15/08**,  
B01J 39/04, C07K 1/18
- (21) International Application Number:  
PCT/GB2003/003953
- (22) International Filing Date:  
5 September 2003 (05.09.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
0220894.0 9 September 2002 (09.09.2002) GB
- (71) Applicant (for all designated States except US): **MILLI-  
PORE (U.K.) LTD.** [GB/GB]; Mitre House, 160 Alders-  
gate, London EC1A 4DD (GB).
- (72) Inventor; and  
(75) Inventor/Applicant (for US only): **NOEL, Robert, John**  
[GB/GB]; Millipore UK Ltd., Unit 31, Medomsley Road  
Industrial Estate, Consett, Co. Durham DH8 6SZ (GB).
- (74) Agent: **GILL JENINGS & EVERY**; Broadgate House, 7  
Eldon Street, London EC2M 7LH (GB).
- (81) Designated States (national): JP, US.
- (84) Designated States (regional): European patent (AT, BE,  
BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU,  
IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR).
- Published:  
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: METHOD OF SEPARATION BY ADSORPTION

(57) Abstract: A method of separating a selected ionic component from a sample, comprises contacting the sample with an ionic adsorbent whose charge density is such that the component is bound selectively in the absence of added ionic component that competitively binds the adsorbent.

WO 2004/022196 A1